다. 연구실적물 증빙첨부

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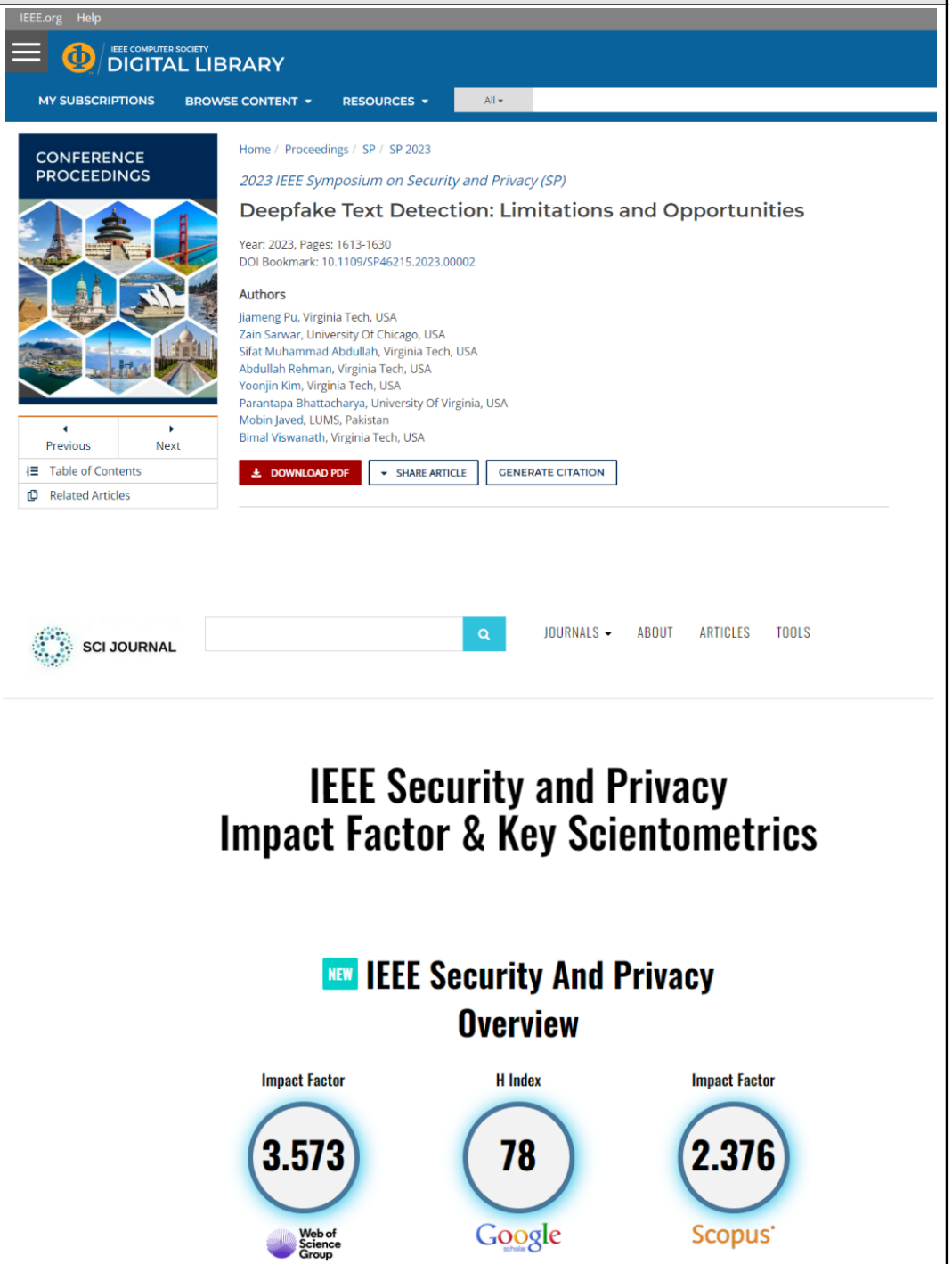

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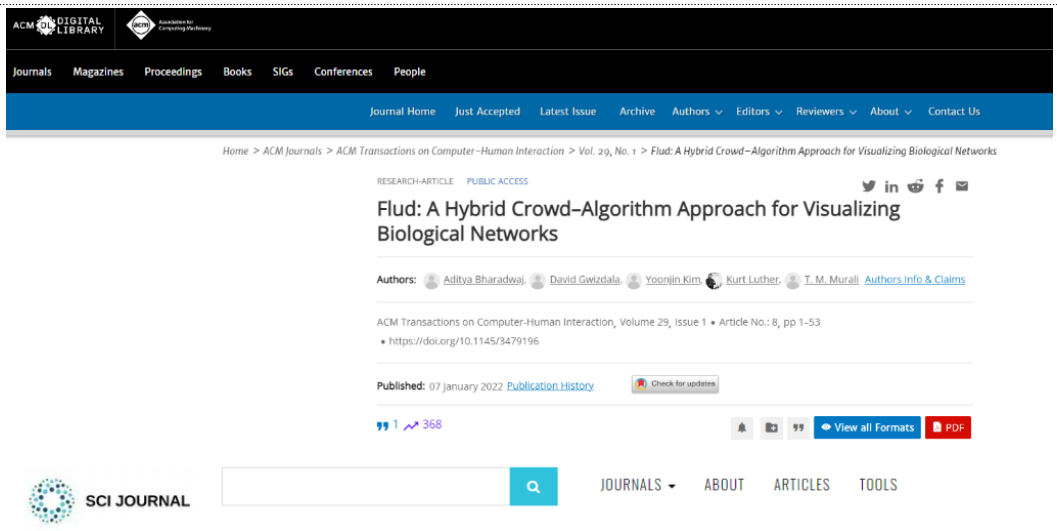
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Flud: A Hybrid Crowd-Algorithm Approach for Visualizing Biological Networks
Authors: Aditya Bharadwaj, David Gwizdala, Yoonjin Kim, Kurt Luther, T. M. Murali Authors Info & Claims
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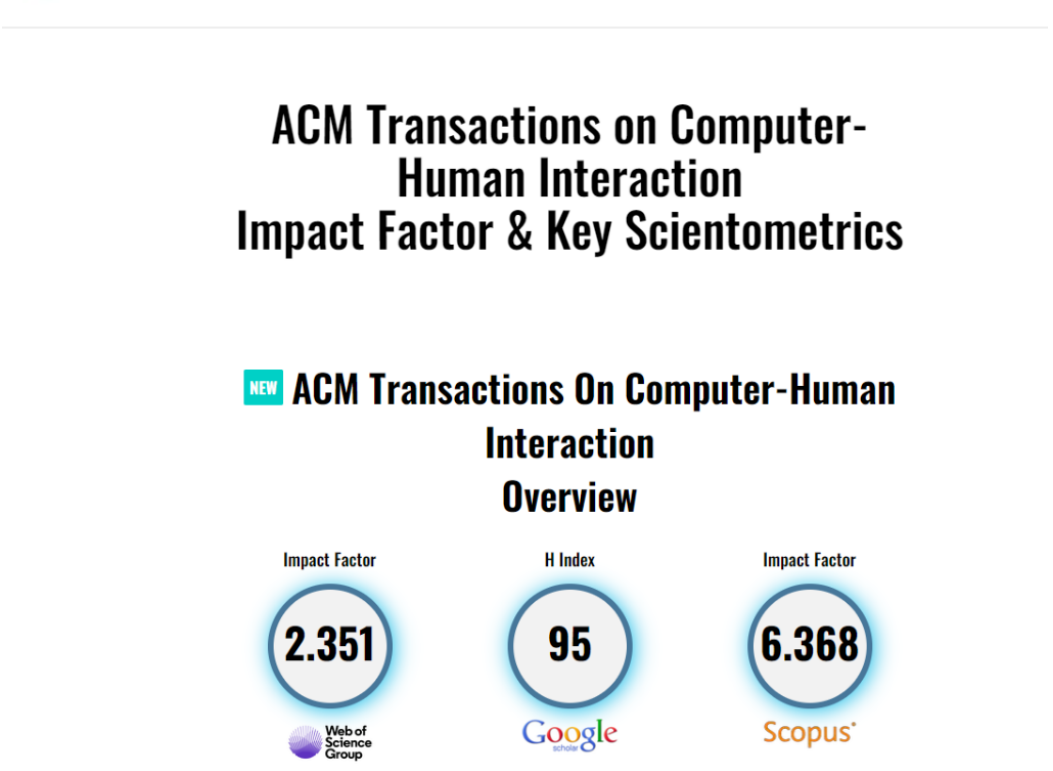
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연구 실적물 - 3

757-Plat **11:00 AM**
DEEP INSERTIONAL MUTAGENESIS AND MULTIPLEX ASSESSMENT OF PHENOTYPE REVEALS BIOPHYSICAL MECHANISMS OF PROTEIN DOMAIN COMPATIBILITY. **Daniel Schmidt**, Willow Coyote-Maestas, David Nedrud, Mareike Hoffmann

758-Plat **11:15 AM**
ENGINEERED NUCLEAR IMPORT RECEPTOR KARYOPHERIN-B2 CHAPERONES ABERRANT PHASE TRANSITIONS OF DISEASE-ASSOCIATED CARGO. **Charlotte M. Fare**, Kevin Rhine, Joey Yoniles, Sua Myong, James Shorter

759-Plat **11:30 AM**
MANY SEQUENCE-DIVERSE DOMAINS SWITCH BETWEEN ALPHA-HELIX AND BETA-SHEET FOLDS. **Lauren L. Porter**, Allen Kim, Loren Looger, Ananya K. Majumdar, Mary Starich

760-Plat **11:45 AM**
DE NOVO DESIGN OF FUNCTIONAL MN-PORPHYRIN BINDING PROTEINS. **Samuel I. Mann**, Animesh Nayak, George T. Gassner, Michael J. Therien, William F. DeGrado

761-Plat **12:00 PM**
PREDICTING SPECTROSCOPIC PROPERTIES OF FLUORESCENT PROTEINS WITH A VARIATIONAL AUTOENCODER. **Grace H. Taumoefolau**, Robert B. Best

762-Plat **12:15 PM**
ON THE UTILITY OF DYNAMICAL INFORMATION IN PROTEIN FUNCTION PREDICTION AND UNDERSTANDING DYNAMICS-FUNCTION RELATION. **Yuan Chiang**, Wei-Han Hui, Shu-Wei Chang

763-Plat **12:30 PM**
THE DOWNSIDE AND UPSIDE OF INCLUDING BACKBONE FLEXIBILITY FOR PREDICTING PROTEIN AND ANTIBODY BINDING. **Nabil F. Faruk**, Xiangda Peng, Benoit Roux, Tobin R. Sosnick

Platform
Molecular Dynamics I

10:45 AM - 12:45 PM, South, Level Two, Room 204/205/206

Co-Chairs
Pei-Yin Lee, University of Maryland at College Park, USA
Matthias Heyden, Arizona State University, USA

764-Plat **10:45 AM**
DEVELOPMENT OF POLARIZABLE GAUSSIAN MULTIPOLE MODEL. **Haixin Wei**, Yong Duan, Junmei Wang, Piotr Cieplak, Ray Luo

765-Plat **11:00 AM**
PROSECCO: POLARIZATION REINTRODUCED BY OPTIMAL SCALING OF ELECTRONIC CONTINUUM CORRECTION ORIGIN IN MD SIMULATIONS. Ricky Nencini, Carmelo Tempra, Denys Biriukov, Jakub Polák, Daniel Ondo, Jan Heyda, Samuli O. Ollila, Matti Javanainen, **Hector Martinez-Seara**

766-Plat **11:15 AM**
POLARIZATION IN PARTITIONING: QUANTIFYING THE EFFECTS OF INDUCED DIPOLES ON AMINO ACID SIDECHAIN ANALOGS IN A POPC MEMBRANE. **Julia M. Montgomery**, Justin A. Lemkul

767-Plat **11:30 AM**
A COMBINED MAXIMUM-CALIBER AND FEPAPPROACH TO PREDICT HOW MUTATIONS PERTURB PROTEIN STABILITY AND FOLDING KINETICS. **Si Zhang**, Vincent A. Voelz

768-Plat **11:45 AM**
REPUTATION FOR AGGREGATION: EFFECT OF PYROGLUTAMYLATION ON THE AMYLOID B-PEPTIDE. **Darcy S. Davidson**, Justin A. Lemkul

769-Plat **12:00 PM**
AN ACCURATE CHARGE MODEL IN MOLECULAR MECHANICS FORCE FIELDS ENSURES BETTER LOGD CORRELATIONS. **Zhiyi Wu**, Simon Newstead, Philip C. Biggin

770-Plat **12:15 PM**
A TRANSFERABLE EXPLICIT-SOLVENT POLARIZABLE COARSE-GRAINED MODEL FOR PROTEINS. **Pei-Yin Lee**, Abhilash Sahoo, Silvina Matysiak

771-Plat **12:30 PM**
ADDING EXPLICIT SOLVATION TO EFFICIENT SIMULATIONS OF CROWDED PROTEIN SOLUTIONS. **Matthias Heyden**

Platform
Chromatin and the Nucleoid

10:45 AM - 12:45 PM, South, Level Two, Room 207/208

Co-Chairs
Xingcheng Lin, MIT, USA
Sumitabha Brahmachari, Rice University, USA

772-Plat **10:45 AM**
BIOPHYSICAL DRIVING FORCES OF HETEROCHROMATIN ORGANIZATION. **Sangwoo Park**, Michelle Mitchener, Hai Dao, Tom Muir, Taekjip Ha

773-Plat **11:00 AM**
NEAR-ATOMISTIC MODELING RECONCILES DIFFERENCE BETWEEN IR-REGULAR AND REGULAR CHROMATIN. **Xingcheng Lin**, Shuming Liu, Xinqiang Ding, Rachel Leicher, Shixin Liu, Bin Zhang

774-Plat **11:15 AM** **Travel Award Winner**
MULTIPLEXED SINGLE-MOLECULE EXPERIMENTS REVEAL CAS9 NUCLEOSOME INVASION DYNAMICS. **Kristina Makasheva**, Louise Bryan, Martin Jinek, Beat Fierz

775-Plat **11:30 AM**
PROXIMITY OF CHROMATIN TO THE NUCLEAR ENVELOPE, DOES NOT, BY ITSELF, AFFECT GENE EXPRESSION IN DROSOPHILA. **Yoonjin Kim**, Alexander Y. Afanasyev, Igor S. Tolokh, Igor V. Sharakhov, Alexey V. Onufriev

776-Plat **11:45 AM**
UNRAVELING MITOTIC CHROMOSOME STRUCTURE USING OPTICAL TWEEZERS. **Constantijn P. van der Smagt**, Erwin J. Peterman, Gijs J. wuite

777-Plat **12:00 PM**
ACTIVE DYNAMICS OF CHROMOSOME POLYMERS. **Sumitabha Brahmachari**, Tomer Markovich, Fred C. MacKintosh, Jose N. Onuchic

778-Plat **12:15 PM**
INTERPHASE CHROMATIN UNDERGOES A LOCAL SOL-GEL TRANSITION UPON CELL DIFFERENTIATION. **Iraj Eshghi**, Jonah Eaton, Alexandra Zidovska

779-Plat **12:30 PM**
CHROMATIN NETWORK RETARDS DROPLET COALESCENCE. **Yifeng Qi**, Bin Zhang

Platform
Membrane Active Peptides

10:45 AM - 12:45 PM, South, Level Two, Room 209/210/211

Co-Chairs
William Wimley, Tulane University, USA
Catherine Volle, Cornell College, USA

780-Plat **10:45 AM**
MODE OF ACTION OF VIRULENCE FACTORS OF INTRACELLULAR PATHOGENS STUDIES WITH TIME-RESOLVED AND HIGH-RESOLUTION ATOMIC FORCE MICROSCOPY. **Christian Nehls**, Thomas Gutsmann